

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently amended) A wireless network simulation system for simulating wireless network performances for planning a wireless network over a predetermined layout, said system comprising:

    a template database having a plurality of templates of wireless performance data, said performance data is obtained through site surveys of a variety of locations and sites;

    a template identifier that operable to access the template database that comprises a simulation template database and a test-bed template database, the template identifier is adapted to receive search terms and search form the template database through the simulation template data and the test-bed template database see for identifying matching templates from the template database based on said search terms, wherein the search terms include design factors relating to the predetermined layout;

    a wireless network performance contour overlay generator that operable to receive desired performance parameters and process the matching template based on the design factors of the wireless network and create wireless network performance contour overlays from the desired performance parameters extracted from said matching templates; and

    a wireless network performance contour overlay superimposer that operable to receive said predetermined layout and superimpose at least one of said wireless network performance contour overlays onto said predetermined layout producing a superimposed layout.

Claim 2 (Canceled)

Claim 3 (Previously submitted) The system in accordance with claim 1, wherein said plurality of templates comprise a plurality of test-bed templates and a plurality of simulation templates.

Claim 4 (Original) The system in accordance with claim 1, further comprising a displaying means for displaying said superimposed layout.

Claim 5 (Original) The system in accordance with claim 1, further comprising a reproduction means for printing said superimposed layout onto some media means.

Claim 6 (Currently amended) A method for simulating wireless network performance for planning a wireless network over a predetermined layout, said method comprising the steps:

- a. receiving the predetermined layout and search terms, wherein the search terms include design factors relating to the predetermined layout;
- b. accessing a template database having a plurality of templates of wireless performance data;
- c. identifying matching templates from the template database, based on said search terms;
- d. creating network performance contour overlays from the performance parameters extracted from said matching templates based on the design factors; and
- e. superimposing the network performance contour overlays onto said predetermined layout,

wherein

the step b. further comprises searching a simulation template database and a test-bed template database in said template database; and

the step d further comprises:

d1. receiving desired performance parameters;  
d2. extracting said desired performance parameters data from said matching templates in said template database; and

d3. generating network performance contour overlays from said desired performance parameters data.

Claim 7 (Canceled)

Claim 8 (Canceled)

Claim 9 (previously submitted)      The method in accordance with claim 6, after step c.  
comprising step f.:

assigning a matching template if step c. produces no matching template